

		Neutrino Rates				Anti Neutrino Rates			
Beam (mass ordering)	$\sin^2 2\theta_{13}$	δ_{CP} deg.							
		0°	-90°	180°	+90°	0°	-90°	180°	+90°
NuMI LE 810km, 12 km off-axis (+/-)	0.0	7.4	N/A	N/A	N/A	3.0	N/A	N/A	N/A
NuMI LE 810km, 12 km off-axis (+)	0.001	11	19	9.8	2.4	4.2	1.3	3.3	6.3
NuMI LE 810km, 12 km off-axis (-)	0.001	8.7	16	10	3.1	4.1	1.0	4.4	7.5
NuMI LE 810km, 12 km off-axis (+)	0.02	76	108	69	36	20	7.7	17	30
NuMI LE 810km, 12 km off-axis (-)	0.02	46	77	52	21	28	14	28	42
NuMI LE 810km, 12 km off-axis (+)	0.1	336	408	320	248	86	57	78	106
NuMI LE 810km, 12 km off-axis (-)	0.1	210	280	224	153	125	95	126	157
NuMI LE 810km, 40 km off-axis (+)	0.02	5.7	8.8	5.1	2.2	2.5	1.6	0.7	3.3
NuMI LE 810km, 40 km off-axis (-)	0.02	4.2	8.0	5.7	2.0	2.3	2.2	0.8	3.6
NuMI LE 810km, 40 km off-axis (+)	0.1	17	24	15	9.4	6.7	2.8	4.6	8.5
NuMI LE 810km, 40 km off-axis (-)	0.1	12	21	16	7.7	6.6	3.4	6.4	9.6

TABLE V: This table contains the total CC signal event rates after $\nu_\mu \rightarrow \nu_e$ conversion for the various scenarios described. The event rates here have no detector model or backgrounds. The units are charged current events per 100 kTon of detector mass for 1 MW of beam for 10^7 sec of operation. The charged current cross sections applied as well as the oscillation parameters used are described in the text. The beam ν_e background rates integrated over the signal region of 0-3GeV are 43/17 ($\nu/\bar{\nu}$) for NuMI LE, 12km off-axis at 810km. The beam ν_e background rates integrated over the signal region of 0-3GeV are 11/3.4 ($\nu/\bar{\nu}$) for NuMI LE, 40 km off-axis at 810km.

		Neutrino Rates					Anti Neutrino Rates			
Beam (mass ordering)	$\sin^2 2\theta_{13}$	δ_{CP} deg.								
		0°	-90°	180°	+90 °	0°	-90°	180°	+90°	
WBLE 120 GeV 1300km, 12km off-axis (+/-)	0.0	14	N/A	N/A	N/A	5.0	N/A	N/A	N/A	
WBLE 120 GeV 1300km, 12km off-axis (+)	0.001	17	27	19	8.1	6.2	3.3	5.0	7.8	
WBLE 120 GeV 1300km, 12km off axis (-)	0.001	14	21	17	9.5	7.1	2.8	5.9	10.2	
WBLE 120 GeV 1300km, 12km off-axis (+)	0.02	87	134	95	48	20	7.2	15	27	
WBLE 120 GeV 1300km, 12km off axis (-)	0.02	39	72	51	19	38	19	33	52	
WBLE 120 GeV 1300km, 12km off-axis (+)	0.1	385	486	400	299	73	45	62	90	
WBLE 120 GeV 1300km, 12km off-axis (-)	0.1	161	233	188	116	162	120	151	192	
WBLE 60 GeV 1300km, 0km off-axis (+/-)	0.0	17	N/A	N/A	N/A	5.6	N/A	N/A	N/A	
WBLE 60 GeV 1300km, 0km off-axis (+)	0.001	24	35	21	10	7.7	3.7	5.4	9.4	
WBLE 60 GeV 1300km, 0km off axis (-)	0.001	16	28	23	11	7.6	3.2	7.8	12.3	
WBLE 60 GeV 1300km, 0km off-axis (+)	0.02	138	189	126	75	30	12	19	37	
WBLE 60 GeV 1300km, 0km off axis (-)	0.02	57	109	86	34	47	27	48	67	
WBLE 60 GeV 1300km, 0km off-axis (+)	0.1	594	705	568	457	113	72	89	130	
WBLE 60 GeV 1300km, 0km off-axis (-)	0.1	262	377	325	210	209	166	211	254	
WBLE 60 GeV 2500km, 0km off-axis (+/-)	0.0	14	N/A	N/A	N/A	4.5	N/A	N/A	N/A	
WBLE 60 GeV 2500km, 0km off-axis (+)	0.02	61	103	88	46	11	4.6	4.7	11	
WBLE 60 GeV 2500km, 0km off-axis (-)	0.02	16	36	33	13	28	15	18	31	
WBLE 60 GeV 2500km, 0km off-axis (+)	0.1	270	361	328	238	27	13	13	28	
WBLE 60 GeV 2500km, 0km off-axis (-)	0.1	47	92	85	39	103	74	80	109	

TABLE VI: This table contains the total CC signal event rates after $\nu_\mu \rightarrow \nu_e$ conversion for the various scenarios described. The event rates here have no detector model or backgrounds. The units are charged current events per 100 kTon of detector mass for 1 MW of beam for 10^7 sec of operation. The charged current cross sections applied as well as the oscillation parameters used are described in the text. The beam ν_e background rates integrated over the signal region of 0-5GeV are 47/17 ($\nu/\bar{\nu}$) for 120 GeV, 12km off-axis at 1300km. The beam ν_e background rates integrated over the signal region of 0-5GeV are 61/22 ($\nu/\bar{\nu}$) for 60 GeV, on-axis at 1300km.